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THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Group Art Unit Unknown

In re

Patent Application of

Phillip Wilson Howard

Application No. 10/598,518

Confirmation No.: 6779

Filed: September 1, 2006

Examiner: Unknown

“PYRROLOBENZODIAZEPINES”

INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)

Mail Stop Amendment  
Commissioner for Patents  
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Sir:

The Examiner's attention is directed to the references which are listed on the attached Form PTO/SB/08B; copies of non-U.S. patent references are attached.

Citation of these references is respectfully requested.

No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Respectfully submitted,

*Charlene L. Yager*  
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<p>Substitute for form 1449B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>	
<p style="text-align: center;"><i>JAN 16 2007</i></p> <p>Patent and Trademark Office</p>		Application Number	10/598518		
		Filing Date	September 1, 2006		
		First Named Inventor	Phillip Wilson Howard		
		Group Art Unit	Unknown		
		Examiner Name	Unknown		
Sheet	1	of	9	Attorney Docket Number	065435-9080 US00

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
/BK/		ADAMS et al., "Molecular modelling of a sequence-specific DNA-binding agent based on the pyrrolo[2,1-c][1,4]benzodiazepines," <i>Pharm. Pharmacol. Commun.</i> (1999) 5:555-560
		ALTHIUS, T. H. and HESS, H. J., "Synthesis and Identification of the Major Metabolites of Prazosin Formed in Dog and Rat," <i>J. Medicinal Chem.</i> (1977) 20(1):146-148
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		BOSE, D.S. et al., "Effect of linker length on DNA-binding affinity, cross-linking efficiency and cytotoxicity of C8 linked pyrrolobenzodiazepine dimers," <i>J. Chem. Soc. Chem. Commun.</i> (1992) 20:1518-1520
▼		CHEN, Z. et al., "A novel approach to the synthesis of cytotoxic C2-C3 unsaturated pyrrolo[2,1-c][1,4]benzodiazepines (PBDs) with conjugated acrylyl C2-substituents," <i>Biorg. Med. Chem. Lett.</i> (2004) 14:1547-1549

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/BK/		COOPER, N. et al., "Synthesis of novel PBDs as anti-tumour agents," <i>Chem. Commun.</i> (2002) 16:1764-1765			
		COURTNEY, S. M. et al., "A new convenient procedure for the synthesis of pyrrolo[2,1-c][1,4]benzodiazepines", <i>Tetrahedron Letters</i> , vol. 34, No. 33, 5327-28 (1993)			
		FARMER, J.D. et al., "DNA binding properties of a new class of linked anthramycin analogs," <i>Chemical Abstracts</i> , Abstract No. 239940r, vol. 114, No. 25, 25 899-903 (1991)			
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/BK/		GREGSON, S. et al., "Synthesis of a novel C2/C2'-exo unsaturated pyrrolobenzodiazepine cross-linking agent with remarkable DNA binding affinity and cytotoxicity," <i>Chemical Communications</i> , 797-798 (1999)
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/BK/		HOCHLOWSKI, J. et al., "Abbeymycin, a new anthramycin-type antibiotic produced by a streptomycete," <i>J. Antibiotics</i> , 40, 145-148 (1987)			
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/BK/		KOHN, K., "Anthramycin," <i>Antibiotics III</i> , Springer-Verlag, NY, 3-11 (1975)			
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		LEBER, J.D. et al., "A revised structure for sibromycin," <i>J. Am. Chem. Soc.</i> , 110, 2992-2993 (1988)			
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↓		LEIMGRUBER, W. et al., "Total synthesis of anthramycin," <i>J. Am. Chem. Soc.</i> , 90, 5641-5643 (1968)			

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/BK/		LOWN et al., "Molecular Mechanism of Binding of Pyrrolo(1,4)benzodiazepine antitumour agents to deoxyribonucleic acid – anthramycin and tomaymycin," <i>Biochem. Pharmacol.</i> (1979), 28 (13), 2017-2026			
		MORI, M. et al., "Total syntheses of prothracarcin and tomaymycin by use of palladium catalyzed carbonylation," <i>Tetrahedron</i> (1986) 42(14):3793-3806			
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		NAGASAKA, T. and KOSEKI, Y., "Stereoselective Synthesis of Tilivalline," <i>Journal of Organic Chemistry</i> , vol. 63, No. 20, 6797-6801 (1998)			
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		O'NEIL, I.A. et al., "DPPE: A Convenient Replacement for Triphenylphosphine in the Staudinger and Mitsunobu Reactions", <i>Tetrahedron Letters</i> , vol. 39, No. 42, 7787-7790 (1998)			
↓		SAGNOU, M.J. et al., "Design and Synthesis of Novel Pyrrolobenzodiazepine (PDB) Prodrugs for ADEPT and GDEPT," <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , 10, 2083-2086 (2000)			

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		SMELLIE, M. et al., "Cellular pharmacology of novel C8-linked anthramycin-based sequence-selective DNA minor groove cross-linking agents," <i>Br. J. Cancer</i> (1994) 70:48-53			
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✓		THURSTON, D. E., "Advances in the study of Pyrrolo[2,1-c][1,4] benzodiazepine (PBD) Antitumour Antibiotics", <i>Molecular Aspects of Anticancer Drug-DNA Interaction</i> , Neidle, S. and Waring, M.J., Eds.; Macmillan Press Ltd, 1:54-88 (1993)			

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		THURSTON, D.E. et al., "Synthesis of Sequence-selective C8-linked Pyrrolo [2,1-c][1,4] Benzodiazepine DNA Interstrand Cross-linking Agent," <i>J. Org. Chem.</i> , 61:8141-8147 (1996)			
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				Application Number	10/598518
				Filing Date	September 1, 2006
				First Named Inventor	Phillip Wilson Howard
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	9	of	9	Attorney Docket Number	065435-9080 US00

<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.			
/BK/		WILSON, S.C. et al., "Design, Synthesis, and Evaluation of a Novel Sequence-Selective Epoxide-Containing DNA Cross-Linking Agent Based on the Pyrrolo[2,1-c][1,4]benzodiazepine System", <i>J. Med. Chem.</i> 42:4028-4041 (1999)			

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